



**St. JOSEPH'S INSTITUTE OF TECHNOLOGY**

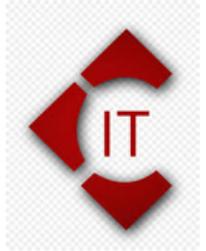
*We Make You Shine*

**(AN AUTONOMOUS INSTITUTION)**

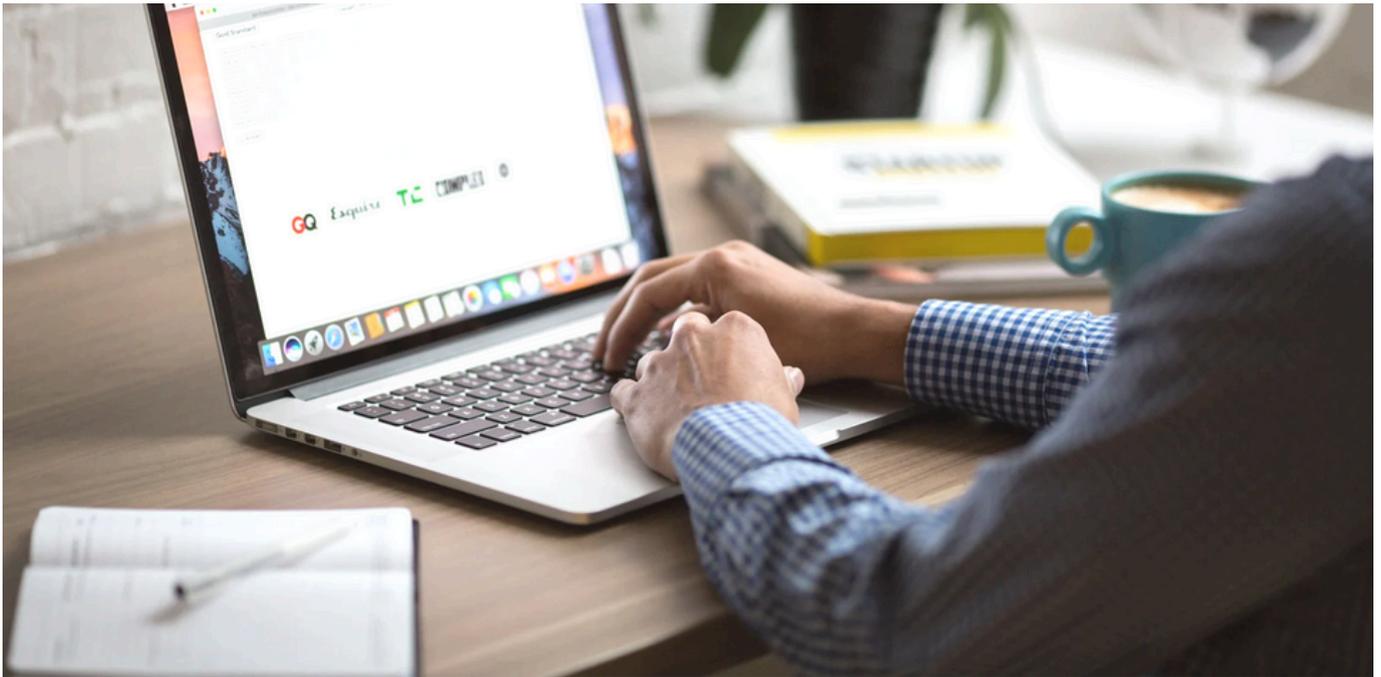
**OMR, CHENNAI - 119**



# NEWSLETTER



DECEMBER MONTH ISSUE NO :11



**St. JOSEPH'S**  
**GROUP OF INSTITUTIONS**  
OMR, CHENNAI - 119



*The Choice of*  
**Disciplined Toppers**

# VISION

To evolve as a Centre of Excellence in Education, Research and Development in the Information Technology arena by adapting to the rapid technological advancement to transform the learners into innovators at the global level .

# MISSION

**Cognitive strength:** To set an advanced education method for developing the cognitive strength of students and motivate them to get updated knowledge in the emerging areas of Information Technology.

**Professionalism:** To ignite the mindset, skill, attitude and core competence of students to produce graduates with International Standards.

**Centre of Excellence:** Excellence in education and research in the field of Information Technology in order to meet global challenges in computing industries.

**Career guidance:** To encourage our students to be a good leader by improving their ability in decision making and problem solving with ethical values.

**Research & Development:** To innovate the research in Information Technology to serve the needs of industry, government and society



# SMART INDIA HACKATHON 2024

The Smart India Hackathon 2024 - Software Edition, a flagship initiative by the Ministry of Education, Government of India, inspired by the vision of Honorable Prime Minister Shri Narendra Modi, was hosted at St. Joseph's Institute of Technology, OMR, Chennai, on 11th December 2024, commencing at 8 a.m. As one of 51 nodal centers across the country, St. Joseph's Institute of Technology played a pivotal role in driving innovation and problem-solving among India's brightest minds



The poster features a light green background with a circuit-like pattern. At the top, logos for the Ministry of Education, Government of India, AICTE, MoE's Innovation Cell, SBI Foundation, and a Smart India Hackathon logo are displayed. The central text includes the event title, dates, and time. Below this, the names and titles of special invitees, guests of honor, the chief patron, patrons, conveners, and a co-convenor are listed. At the bottom, logos for various partners like Godrej, TCS, I2S, and tutorialspoint are shown.

**Ministry of Education**  
Government of India

**AICTE**  
All India Council of Technical Education

**MoE's INNOVATION CELL**  
(GOVERNMENT OF INDIA)

**SBI FOUNDATION**  
Service Beyond Banking

**St. JOSEPH'S INSTITUTE OF TECHNOLOGY**  
(An Autonomous Institution)  
We Make You Shine

**31**  
YEARS OF EXCELLENCE

**We cordially invite you for the**

**#SIH Software Edition**

**GRAND FINALE 2024**

**#SmartIndia Hackathon 2024**  
World's Biggest Open Innovation Model

**11th & 12th December**

**INAUGURAL CEREMONY**  
11<sup>TH</sup> DECEMBER | WEDNESDAY  
8:00 AM to 8:45 AM *Venue : AV Hall III*

**SPECIAL INVITEES**

**Mr. Yogesh Wadhawan**  
Nodal Centre Head- AICTE

**Mr. Ajay Gandhe**  
Nodal Centre Head - I4C

**GUESTS OF HONOUR**

**Mr. Naren Sundram**  
Senior Vice President & Country Head,  
Sagent India

**Dr. Phaklen Ehkan Ph.D.**  
Professor, Universiti Malaysia Perlis  
(UniMAP), Malaysia

**Dr. Thennarasan Sabapathy Ph.D.**  
Asso. Professor, Universiti Malaysia Perlis  
(UniMAP), Malaysia

**CHIEF PATRON**

**Dr. B. Babu Manoharan, M.A., M.B.A., Ph.D.**  
Chairman, St. Joseph's Group of Institutions

**PATRONS**

**Mrs. S. Jessie Priya, M.Com.**  
Executive Director, St. Joseph's Group of Institutions

**Mr. B. Shashi Sekar, M.Sc.**  
Managing Director, St. Joseph's Group of Institutions

**CONVENERS**

**Dr. S. Arivazhagan M.E., Ph.D.**  
Principal, St. Joseph's Institute of Technology

**Dr. G. Sreekumar M.Sc., M.Tech., Ph.D.**  
Dean Academics, St. Joseph's Group of Institutions

**CO-CONVENER**

**Dr. K. Vijayakumar M.Tech., Ph.D.**  
Professor & Head, Dept. of IT, St. Joseph's Institute of Technology

**Media Partner**

**Official Partner**

**Evaluation Partner**

**Platform Partner**

**Learning Partner**

**Godrej** | APPLIANCES

**tcs** TATA CONSULTANCY SERVICES

**I2S**

**tutorialspoint**

# SMART INDIA HACKATHON 2024

This prestigious event saw participation from 22 teams, comprising approximately 132 participants from premier institutions nationwide. The competition focused on addressing four critical problem statements related to Swachhhta and Life, financial services (banking and insurance), article/parcel delivery, and the community of philatelists, aligning with the vision of national development through innovative solutions.



The Chief Guest and dignitaries presented the winners with their prizes and certificates, while the jury members were honored with mementos and certificates of appreciation for their invaluable contributions. Participation certificates were distributed to all teams. The event concluded with St. Joseph's Institute of Technology setting a benchmark for excellence in innovation and collaborative problem-solving, ensuring the success of this transformative initiative.

The valedictory ceremony and prize distribution took place on 12th December 2024, at 8 p.m., with Dr. B. Babu Manoharan, Chairman of St. Joseph's Group of Institutions, as the Chief Guest. Other dignitaries included Mr. Yogesh Wadhawan, Mr. Ajay Gandhe, and the Guest of Honor, Dr. Vijayan K. Asari, alongside Mr. Vivekanandan T, a jury member representing the Department of Posts.

# SMART INDIA HACKATHON 2024

 The evaluation process was conducted by a panel of 12 esteemed academicians and industry experts. The event's success was further attributed to the unwavering efforts of the faculty, dedicated volunteers, and enthusiastic participants.



 The occasion was further elevated by the presence of distinguished guests, including Mr. Yogesh Wadhawan, Nodal Centre Head from AICTE, and Mr. Ajay Gandhe, Nodal Centre Head from I4C. The Guest of Honor, Mr. Naren Sundram, Senior Vice President and Country Head of Sagent India, delivered an inspiring address, encouraging participants. Additionally, esteemed international guests Dr. Phaklen Ehkan and Dr. Thennarasan Sabapathy from Universiti Malaysia Perlis (UniMAP) added prestige to the event

# SMART INDIA HACKATHON 2024



 Successfully demonstrated the potential of collaborative problem-solving and set a high standard for future hackathons and innovation-centric events

 Contributed to the nation-building agenda by solving practical problems through technology and innovation. - Empowered participants with experiential learning opportunities, bridging academia and industry

# IEEE CONFERENCE

A 4th IEEE conference was recently organized by the IT Department at St. Joseph's Institute of Technology on "INNOVATIVE COMPUTING, INTELLIGENT COMMUNICATION AND SMART ELECTRICAL SYSTEMS (ICSES -2024)" on 12th and 13th December 2024



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**St. JOSEPH'S INSTITUTE OF TECHNOLOGY**  
(An Autonomous Institution)  
**St. Joseph's Group of Institutions**  
OMR, Chennai - 119



The Management, the Principal, Staff and Students  
Cordially invite you to the

4<sup>th</sup> International Conference on  
**INNOVATIVE COMPUTING, INTELLIGENT  
COMMUNICATION AND  
SMART ELECTRICAL SYSTEMS (ICSES -2024)**

on

**12<sup>th</sup> & 13<sup>th</sup> December, 2024**

**ICSES 2024**

Venue : Audio Visual Hall  
Library Block

Technical Sponsor



Technical Co-Sponsor



# IEEE CONFERENCE

The organizing committee's hard work, the valuable insights shared by keynote speakers, and the active engagement from all participants ensured that the conference was not only a showcase of cutting-edge research but also a meaningful platform for intellectual exchange and collaboration.

## Speakers:



**Dr. Vijayan K. Asari, Ph.D.**  
Professor & Director-Vision Lab  
Department of Electrical and Computer Engineering  
University of Dayton, USA



**Dr. Biren Prasad, Ph.D.**  
President and CEO,  
Knowledge Solution, USA



**Dr. Phaklen Ehkan, Ph.D.**  
Professor  
School of Computer and Communication Engineering  
Universiti Malaysia Perlis (UniMAP), Perlis, Malaysia



**Dr. Thennarasan Sabapathy, Ph.D.**  
Associate Professor,  
Faculty of Electronics Engineering & Technology  
Universiti Malaysia Perlis (UniMAP), Perlis, Malaysia



**Dr. Xavier Fernando, Ph.D.**  
Professor & Director,  
TMU Intelligent Communication and Computing Lab  
IEEE Canada Region 7 Vitality Coordinator  
Toronto Metropolitan University, USA



**Dr. K. Porkumaran, Ph.D.**  
Chairman, IEEE Madras Section  
Principal, Sri Krishna College of Engineering &  
Technology, Chennai, India.



**Mr. Thamaraiselvam S,**  
Faculty, Zoho Schools of Learning,  
Zoho Corporation Private Limited,  
Estancia IT Park, Chennai, India



**Ms. Naina Chowdhary Vallurupalli**  
Senior Data Scientist,  
Walmart Global eCommerce, USA

# IEEE CONFERENCE

The conference provided an excellent platform for knowledge exchange, networking, and the presentation of cutting-edge research in various domains of IT.

The primary objective of the conference was to foster collaboration among academia and industry professionals, facilitate the exchange of knowledge, and provide a platform for budding researchers to showcase their work.



# IEEE CONFERENCE

The sessions were well-received, with active discussions following each presentation, allowing attendees to engage with the researchers and gain deeper insights into the topics.

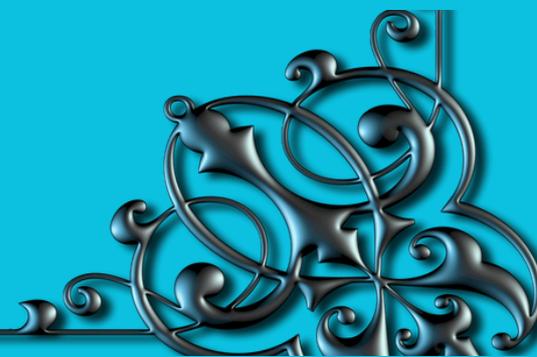
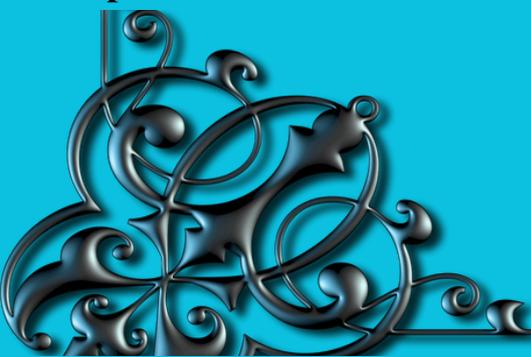
The conference also provided ample opportunities for networking, allowing attendees to engage with professionals from academia and industry. Dedicated networking sessions and social events, such as luncheons and coffee breaks, encouraged participants to discuss their research, explore potential collaborations, and share experiences. Many attendees found these interactions invaluable for their academic and professional growth.



The conference was organized by the IT Department under the leadership of Dr. K VijayaKumar who served as the Chair of the organizing committee. The team consisted of faculty members, graduate students, and administrative staff, all of whom worked tirelessly to ensure the smooth running of the event.

The conference featured several distinguished keynote speakers who shared valuable insights into the latest trends and future directions of IT.

One of the main highlights of the conference was the technical sessions, where researchers and students presented their papers. The conference featured over more papers, which were carefully reviewed by experts in the field before being selected for presentation.



# IEEE CONFERENCE

The IEEE conference organized by the IT Department was a resounding success, bringing together leading experts, scholars, and students from various corners of the IT world. The event provided an enriching environment for participants to learn about the latest advancements in technology, exchange ideas, and build valuable connections for future research and professional endeavors.



**Global Reach:** Engaged 438 participants from the USA, UK, Philippines, Sri Lanka, and India. **Expert Insights:** Featured global leaders like Dr. Vijayan K. Asari and Ms. Naina Chowdhary Vallurupalli on advanced computing and industry trends.

**Research Excellence:** Showcased innovative papers and promoted collaboration between academia and industry.

**Skill Development:** Delivered sessions on industry-relevant technologies and career readiness. **Future Vision:** Strengthened ICSES's legacy, inspiring global innovation and collaboration. ICSES 2024 at St. Joseph's Institute of Technology set a high standard for research, innovation, and global networking.

The ICSES 2024 conference served as a confluence of intellect, innovation, and collaboration, providing a platform for meaningful discussions, knowledge exchange, and networking among participants. The event not only showcased the latest advancements in computing, communication, and electrical systems but also inspired attendees to explore new research avenues and industry solutions. The conference concluded on a high note, with a collective aspiration to continue this tradition of excellence in future editions of ICSES.

# STAFF ACHIEVEMENT



**Dr. D LOGESWARI** has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on **Envisioning Excellence: Advanced Design Thinking and Innovation in Research and Development at VELS INSTITUTE OF SCIENCE, TECHNOLOGY AND ADVANCED STUDIES (VISTAS)** from 18/11/2024 to 30/11/2024.



**Mr. P N KARTHIKAYAN** has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on **AI in Revolutionizing Industry 4.0 & Health Care at VEL TECH MULTI TECH DR.RANGARAJAN DR.SAKUNTHALA ENGINEERING COLLEGE** from 02/12/2024 to 07/12/2024



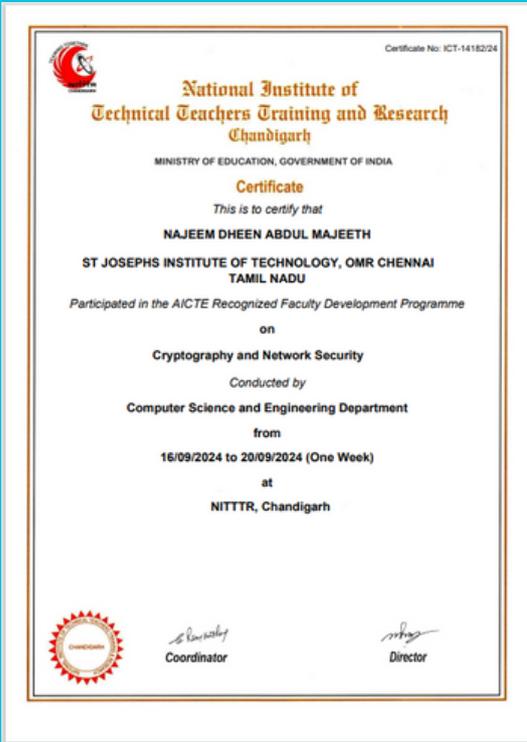
**Dr. JAVID ALI** has Participated in the AICTE Recognized Faculty Development Programme on **Tools for Research in Cloud, Fog and Edge Computing** Conducted by **Computer Science and Engineering Department** from **21/10/2024 to 25/10/2024 (One Week)** at **St. Joseph's College of Engineering, Chennai,**



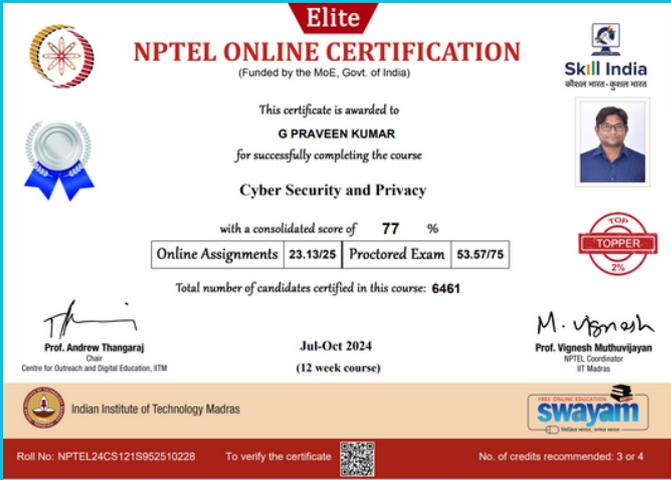
# STAFF ACHIEVEMENT



Mr. NAJEEM DHEEN has presented a paper titled on “Kidney Stone Classification Using Machine Learning Models on CT Images” in the International Conference on Software, Systems and Information Technology (SSITCON-2024) organized by the Department of Computer Science Engineering and Department of Information Science Engineering, Sri Siddhartha Institute of Technology, Tumakuru on 18th-19th October, 2024



Mr. NAJEEM DHEEN has Participated in the AICTE Recognized Faculty Development Programme on Cryptography and Network Security Conducted by Computer Science and Engineering Department from 16/09/2024 to 20/09/2024 (One Week) at NITTTR, Chandigarh



Mr PRAVEEN KUMAR has got Elite Silver in NPTEL for completing the course “Cyber Security and Privacy”



# STAFF ACHIEVEMENT



Mr. PRAVEEN KUMAR G has participated in One Week FACULTY DEVELOPMENT PROGRAM (FDP) on "NLP USING TRAINED LANGUAGE MODELS AND TRANSFER LEARNING" held from 02 December 06 December 2024 organized by Panimalar Engineering College, Chennai.



Mr. NAJEEM DHEEN has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on AI-Driven Network Security: Advanced Techniques for Intrusion Detection at Rajalakshmi Engineering College from 09/12/2024 to 14/12/2024.



Mr. NAJEEM DHEEN has PRESENTED Paper entitled "Emotion Detection and Psychological Prediction Using Capsule Networks and Recurrent Neural Networks for 4" IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC-2024) organized by Department of Electronics and Telecommunication Engineering, Sri Siddhartha Institute of Technology, Tumakuru.

# STAFF ACHIEVEMENT

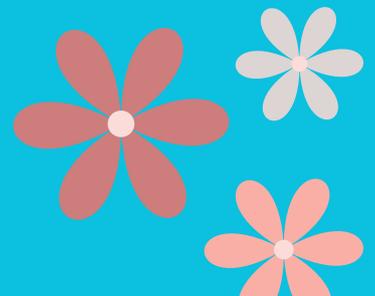
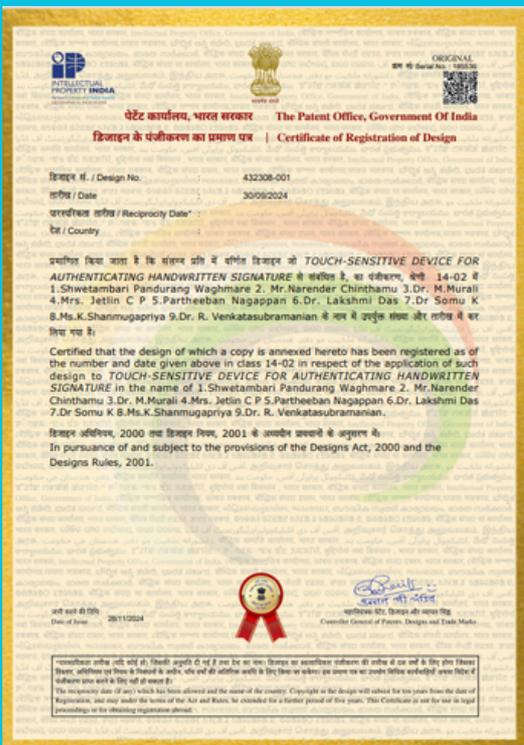
Dr. MAHALAKSHMI, has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on AI IN IOT : ENHANCING THE POWER OF SMART GADGETS at AGNI COLLEGE OF TECHNOLOGY from 16/12/2024 to 21/12/2024.



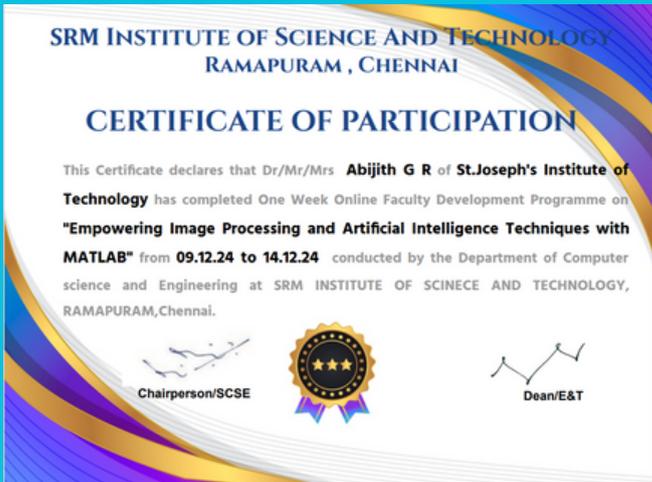
Mrs. MARY JOSEPH has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on AI IN IOT : ENHANCING THE POWER OF SMART GADGETS at AGNI COLLEGE OF TECHNOLOGY from 16/12/2024 to 21/12/2024.



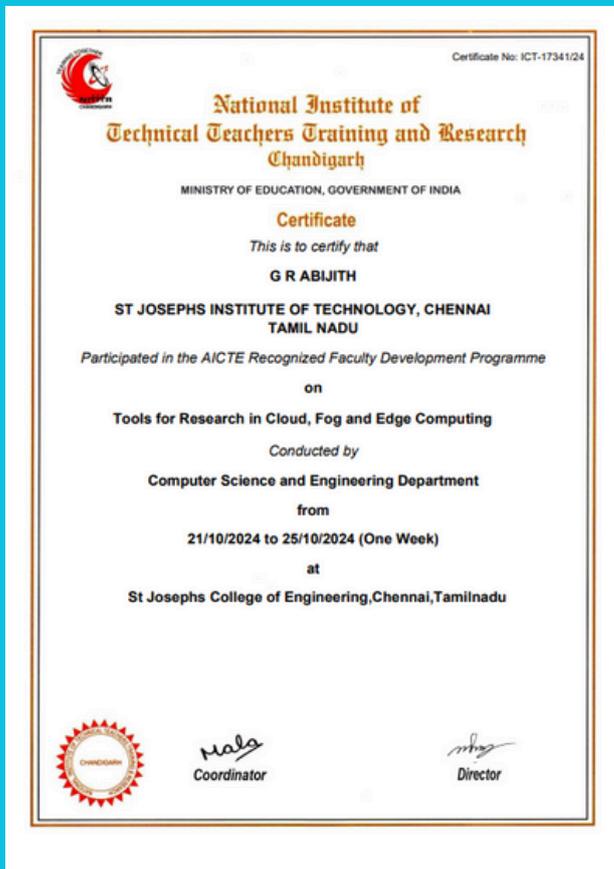
Mrs C P JETLIN Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-02 in respect of the application of such design to TOUCH-SENSITIVE DEVICE FOR AUTHENTICATING HANDWRITTEN SIGNATURE



# STAFF ACHIEVEMENT



**Mr. G R ABIJITH** has completed One Week Online Faculty Development Programme on "Empowering Image Processing and Artificial Intelligence Techniques with MATLAB" from 09.12.24 to 14.12.24 conducted by the Department of Computer science and Engineering at SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, RAMAPURAM, Chennai



**Mr. G R ABIJITH** has Participated in the AICTE Recognized Faculty Development Programme on Tools for Research in Cloud, Fog and Edge Computing Conducted by Computer Science and Engineering Department from 21/10/2024 to 25/10/2024 (One Week) at St Josephs College of Engineering, Chennai, Tamilnad



**Mr. ABIJITH G R** has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Artificial Intelligence Techniques for Advancing Medical Data Processing and Health Care at St. Joseph's Institute of Technology from 23/09/2024 to 28/09/2024

# STAFF ACHIEVEMENT

12/1/24, 2:21 PM Intellectual Property India

 Office of the Controller General of Patents, Designs & Trade Marks  
Department for Promotion of Industry and Internal Trade  
Ministry of Commerce & Industry,  
Government of India  
(<http://ipindia.nic.in/index.htm>)

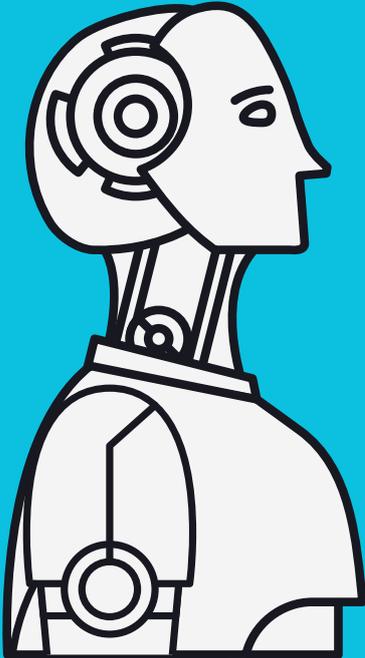
 INTELLECTUAL PROPERTY INDIA  
PATENTS, DESIGNS, TRADE MARKS, GEOGRAPHICAL INDICATIONS  
(<http://ipindia.nic.in/index.htm>)

Application Details	
APPLICATION NUMBER	202441091927
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/11/2024
APPLICANT NAME	1 . Dr. S.P. MANIKANDAN CMR UNIVERSITY, Bengaluru 2 . Mr.ABIJITH G R, St.Joseph's Institute of Technology, Chennai 3 . Dr.K.SUNDRAVADIVELU, Madurai Kamaraj University, Madurai 4 . Mr.DHINAKARAN M, Sharda University,Agra 5 . Dr.K.RAVIKUMAR, Dhanalakshmi Srinivasan College of Engineering and Technology, Chennai 6 . Dr.G.SIMI MARGARAT, New Prince Shri Bhavani College of Engineering and Technology, Chennai 7 . Mr.ARUN KUMAR RANGARAJU, Freddle Mac, USA 8 . Dr.T.PRABHU, Dr. MGR Educational and Research Institute, Chennai 9 . Dr.J. PARAMESH, Saveetha Engineering College,Chennai
TITLE OF INVENTION	Intelligent Wearable IoT Device for Road Safety with Advanced Gesture Detection via Machine Learning
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	dr.mani1973@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	29/11/2024

Application Status

<https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus> 1/2

**Mr. ABIJITH G R, published patent on “Intelligent Wearable IoT Device for Road Safety with Advanced Gesture Detection via Machine Learning”**



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**COURSE COMPLETION CERTIFICATE**

The certificate is awarded to  
**Vinisha J**  
for successfully completing the course  
**Artificial Intelligence**  
on December 4, 2024

 **Infosys | Springboard**  
*Congratulations! You make us proud!*



Issued on: Wednesday, December 4, 2024  
To verify scan the QR code at <https://verify.comingpspan.com>

  
Thirumala Arohi  
Executive Vice President and Global Head  
Education, Training & Assessment (ETA)  
Infosys Limited

**Mrs J VINISHA has successfully completed course on Infosys SpringBoard on “Artificial Intelligence”**



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**DEPARTMENT OF INFORMATION TECHNOLOGY**

**2021-2025 BATCH**

## Congratulations

For getting placed in



**JOEL WILLIAM A**

**STIPEND:Rs.15,000/-**



**St. JOSEPH'S**  
GROUP OF INSTITUTIONS



*The Choice of*  
**Disciplined Tenors**

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**DEPARTMENT OF INFORMATION TECHNOLOGY**  
**2021-2025 BATCH**

## Congratulations

For getting placed in

# amazon



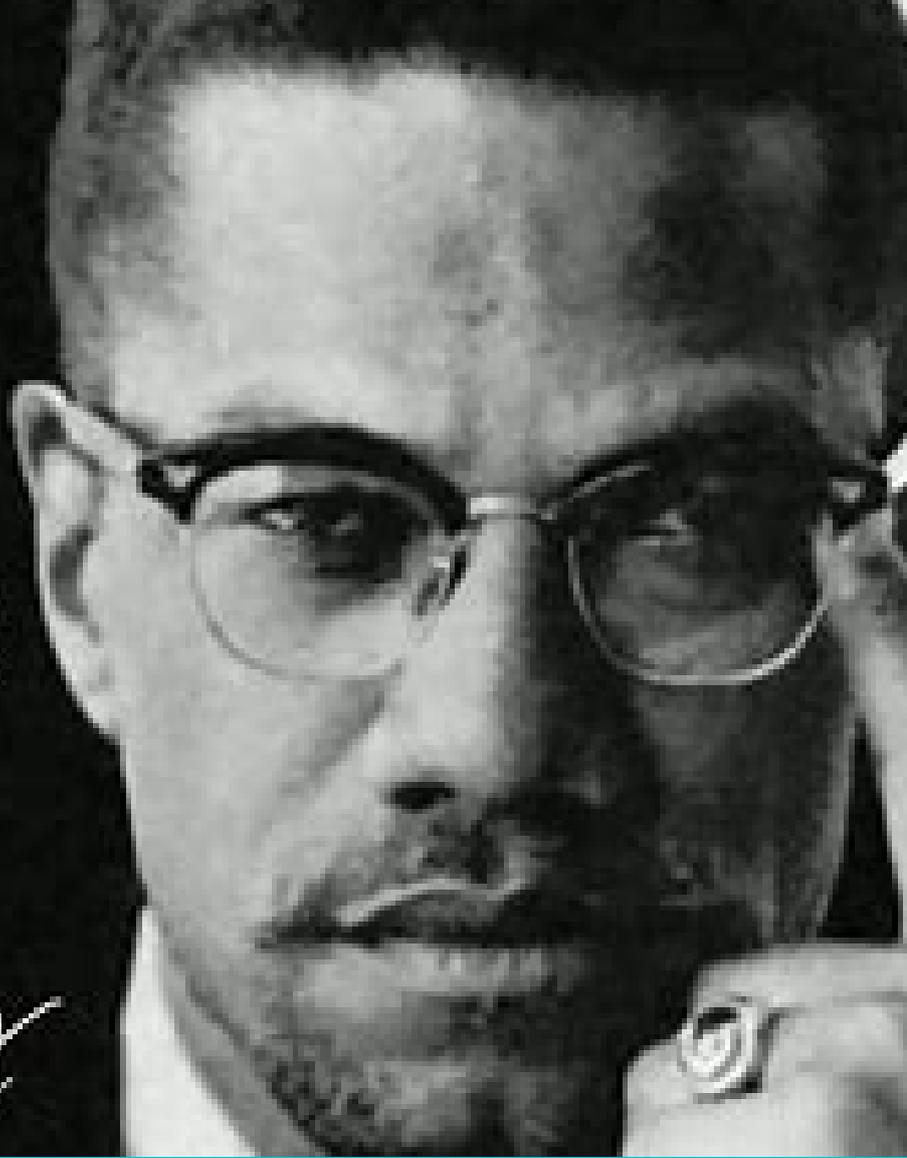
**NITHESH R**



**STIPEND:1.10 Lakhs**

**The future  
belongs  
to those  
who prepare  
for it today.**

*- Malcolm X*



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